



# SK-ACCLIMATE

## Intelligent Multi-Criteria Smoke Detector

The SK-ACCLIMATE Multi criteria Photoelectric Smoke Detector incorporates both thermal and photoelectric technologies that interact to maximize detection. An on-board microprocessor with advanced software focuses on rejecting nuisance alarms. The SK-ACCLIMATE is for use with the Honeywell Silent Knight series fire alarm control panels (FACPs).

Using advanced software, SK-ACCLIMATE continuously samples the air in the environment and adjusts its detection parameters and alarm threshold accordingly. And it does this automatically, without user intervention. A dual stage drift compensation feature reduces maintenance frequency. SK-ACCLIMATE offsets the effects of gradual dust build-up and will notify the control panel before its compensation level is reached, allowing time for maintenance. Once the compensation limit is reached, a second signal is sent to the control panel indicating an urgent need for maintenance.



**SK-ACCLIMATE (BASE INCLUDED)**

### BASE COMPATIBILITY

SK-ACCLIMATE is compatible with the following detector bases:

- B210LP:** 6" base (included)
- B501:** 2 wire base
- B224RB:** Relay base
- B224BI:** Isolator base
- B200SR:** Sounder base

## FEATURES & BENEFITS

- Reliable analog communications for trouble-free operation
- Dual electronic thermistor design
- 6" mounting base included
- Superior EMI resistance for reliability
- Microprocessor-based design to provide maximum features
- Simple field cleaning for code compliance
- 0.025" mesh bug screen to keep unwanted insects out
- Variety of mounting options to meet any application
- Dual LED indicators for 360° visibility
- Detector transmits signal to indicate maintenance is required
- Detector sensitivity increases in hot fires
- Transient smoke conditions are ignored
- Rotary address switches for fast installations

# SK-ACCLIMATE Technical Specifications

## PHYSICAL

**Height:** 2.0" (5.0cm)

**Diameter:** 6.1" (155mm) installed in B201LP base

**Shipping Weight:** 5.2oz (147g)

## ELECTRICAL

**Operating Voltage:** 15–32VDC

**SLC Standby and Alarm Current:** 300 $\mu$ A @ 24VDC  
(one communication every 5 sec with LED enabled)

**LED Current:** 6.5mA @ 24 VDC max (when on)

## ENVIRONMENTAL

**Operating Temperature:** 32°–100°F (0°C – 38°C)

Humidity: 10% – 93% non-condensing

## THERMAL RATINGS

**Thermal:** Fixed Temperature Set point: 135°F  
(57°C)

**Velocity:** 0 – 4000 fpm (0 – 6.1 m/sec)

**Insect Screen Hole Size:** 0.025" (0.64 mm) nominal

## ORDERING INFORMATION

**SK-ACCLIMATE:** Multi-criteria photoelectric smoke detector

## ACCESSORIES

**RA100Z:** Remote LED annunciator

**RMK400:** Recesses mounting kit. Provides low profile for use with B501

**XR2B:** Detector removal tool. A removal and replacement tool for SK series plug-in detectors. Includes the T55-127-000

**M02-04-01:** Detector test magnet.

**M02-09-00:** Test magnet with telescoping handle

**XP-4:** Extension Pole for XR2B. Extends from 5 – 15 ft.

**T55-127-000:** Detector removal head

## COMPATIBILITY

The SK-ACCLIMATE is compatible with the following Honeywell Silent Knight fire alarm control panels:

**6820:** Addressable fire alarm control panel

**6820EVS:** Addressable fire alarm control panel with an emergency mass notification system.

**6808:** Addressable fire alarm control panel

**6700:** Addressable fire alarm control panel

**5700:** Addressable fire alarm control panel

**5808:** Addressable fire alarm control panel

**5820XL:** Addressable fire alarm control panel

**5820XL-EVS:** Addressable fire alarm control panel with an emergency mass notification system.

For a complete listing of all compliance approvals and certifications, please visit [www.silentknight.com](http://www.silentknight.com).

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This document is not intended to be used for installation purposes. We try to keep our product information up-to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

## For more information

Learn more about Honeywell Silent Knight and other products by visiting [www.silentknight.com](http://www.silentknight.com)

## Honeywell Silent Knight

12 Clintonville Road  
Northford, CT 06472  
800-328-0103